

## 01/08/14   Agenda

- Expectations
- Section 5.3 day 5 - Graphing from a Table
- Homework Worksheet 5.3 day 5

# 5.3 day 5 - Graph Equations Using a Table

Target 5D

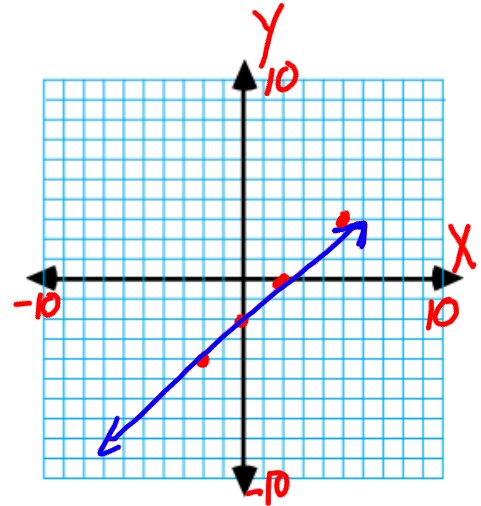
January 08, 2014

Goal: Graph an equation using a table.

1.  $y = x - 2$

$(-2, -4)$

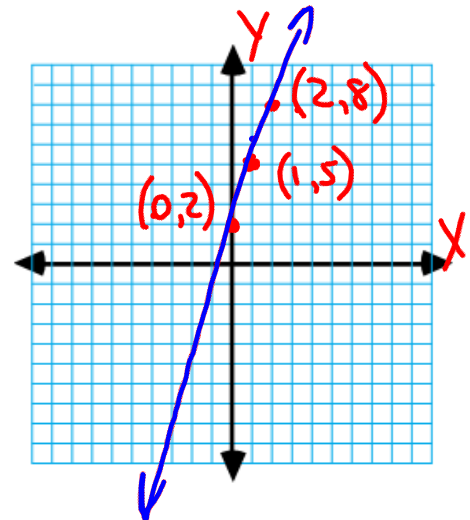
| x  | $y = x - 2$    | y  |
|----|----------------|----|
| -2 | $y = (-2) - 2$ | -4 |
| 0  | $y = (0) - 2$  | -2 |
| 2  | $y = (2) - 2$  | 0  |



2.  $y = 3x + 2$

| x | $y = 3x + 2$   | y |
|---|----------------|---|
| 0 | $y = 3(0) + 2$ | 2 |
| 1 | $y = 3(1) + 2$ | 5 |
| 2 | $y = 3(2) + 2$ | 8 |

$-1 \quad y = 3(-1) + 2 \quad -1$



# 5.3 day 5 - Graph Equations Using a Table

Target 5D

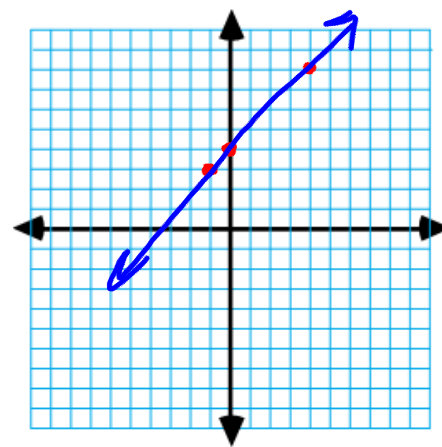
January 08, 2014

Goal: Graph an equation using a table.

3.  $y - x = 4$

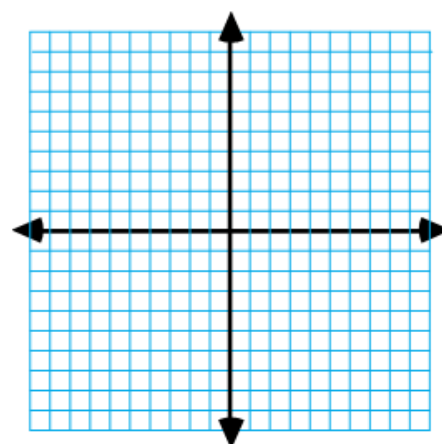
| x  | $y - x = 4$    | y |
|----|----------------|---|
| -1 | $y - (-1) = 4$ | 3 |
| 0  | $y - (0) = 4$  | 4 |
| 4  | $y - (4) = 4$  | 8 |

$$\begin{array}{r} +4 \quad +4 \\ \hline y = 8 \end{array}$$



4.  $2x + y = -3$

| x |  | y |
|---|--|---|
|   |  |   |
|   |  |   |
|   |  |   |



# 5.3 day 5 - Graph Equations Using a Table

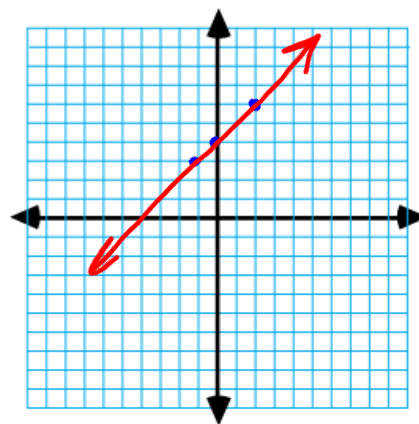
Target 5D

January 08, 2014

Goal: Graph an equation using a table.

3.  $y - x = 4$

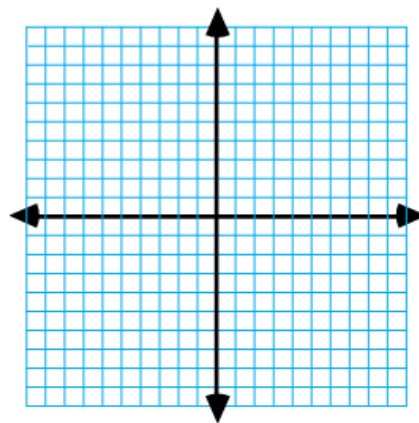
| x  | $y = x + 4$    | y |
|----|----------------|---|
| -1 | $y = (-1) + 4$ | 3 |
| 0  | $y = (0) + 4$  | 4 |
| 2  | $y = (2) + 4$  | 6 |



$$\begin{array}{r} y - x = 4 \\ +x \quad +x \\ \hline y = x + 4 \end{array}$$

4.  $2x + y = -3$

| x |  | y |
|---|--|---|
|   |  |   |
|   |  |   |
|   |  |   |



$$\begin{array}{r} 2x + y = -3 \\ -2x \quad -2x \\ \hline y = -2x - 3 \end{array}$$

# 5.3 day 5 - Graph Equations Using a Table

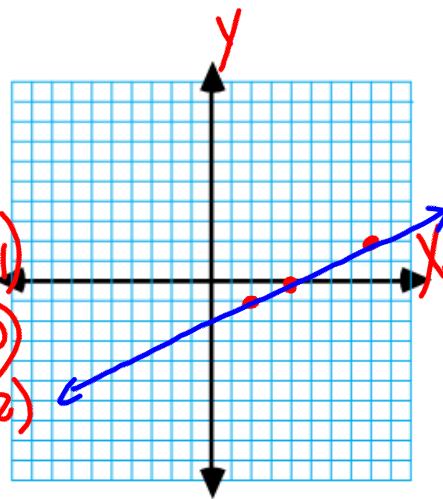
Target 5D

January 08, 2014

Goal: Graph an equation using a table.

3.  $y = \frac{1}{2}x - 2$

| x | $y = \frac{1}{2}x - 2$   | y  |
|---|--------------------------|----|
| 2 | $y = \frac{1}{2}(2) - 2$ | -1 |
| 4 | $y = \frac{1}{2}(4) - 2$ | 0  |
| 8 | $y = \frac{1}{2}(8) - 2$ | 2  |



4.  $y = 2x + 3$

| x |  | y |
|---|--|---|
|   |  |   |
|   |  |   |
|   |  |   |

